

## Abstract

The invention is a log-made member for a large-scale truss structure. A truss structural member 1 comprises a log 2 cut so as to form flat surfaces on butt ends 2A thereof. A connector 4 slidably holds a shank 6m of a fastening bolt 6 and holds the periphery of the butt ends. Large lag screws 5 fix the connector 4 to the butt end 2A of the log. The connector 4 is disposed between the joint device 3 and the log 2, and is composed of a first element 4A and a second element 4B which engage with the portion of a counter-node side of the first element 4A. The first element 4A is provided with an axial symmetrical shell accommodating an elastic element 10 for biasing the fastening bolt 6. The second element is 4B is fixed to the log 2 by plural lag screws 5 so as to hold the butt end by using an annular thorn 4c so that the portion of the counter-node side thereof contacts the butt end 2A without any clearance.